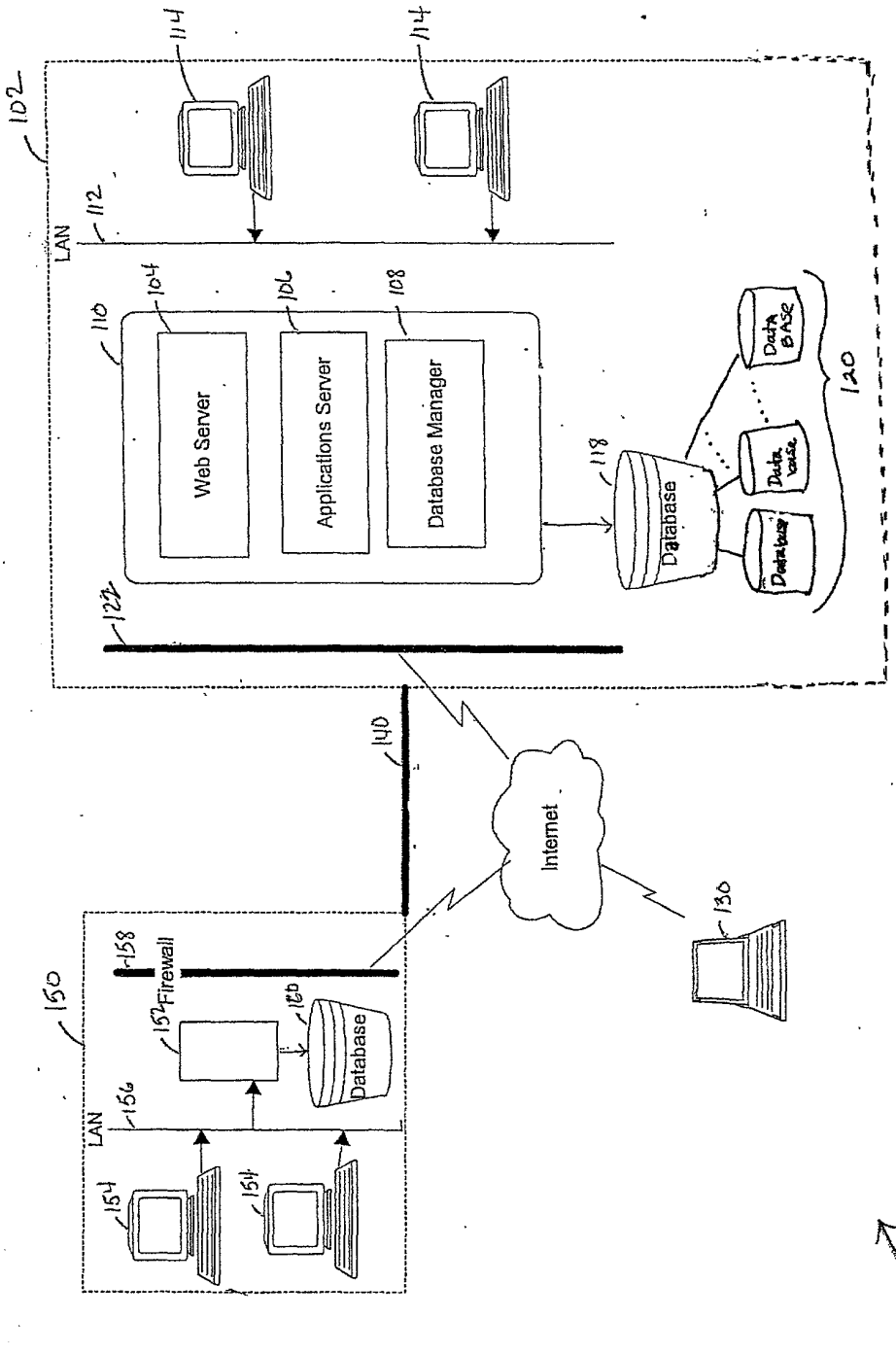
102
114
114
LAN
112
104
106
108
110
Web Server
Applications Server
Database Manager
118
Database
120
Data BASE
Data base
Database
122
140
Internet
130
150
158
Firewall
152
156
Database
LAN
154
154
100

FIG. 1

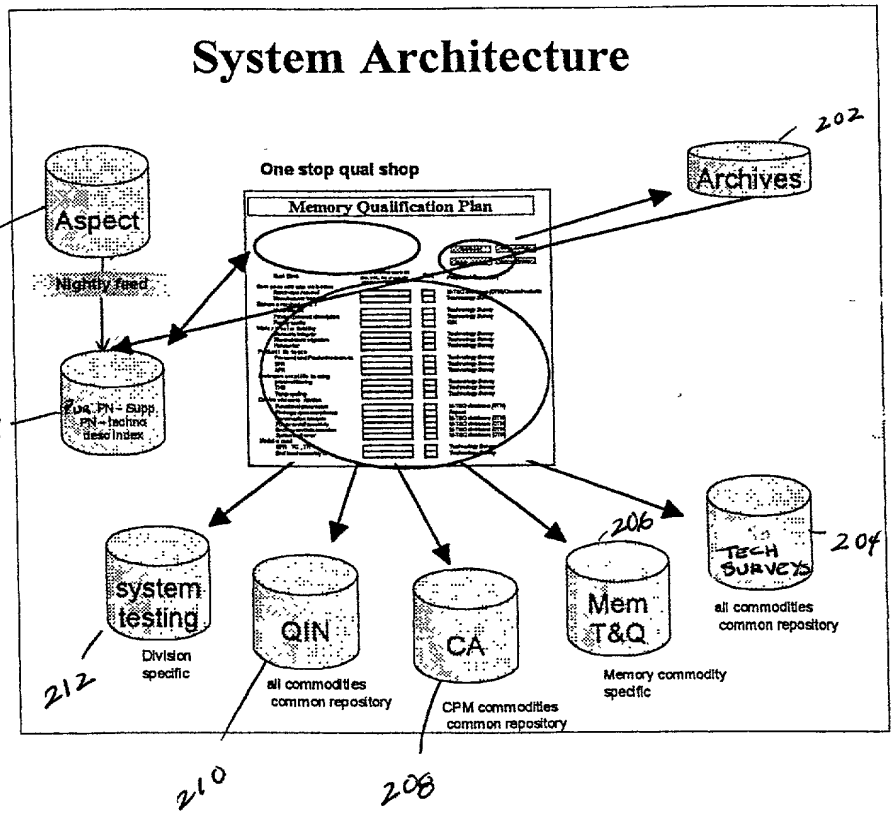
System Architecture
One stop qual shop
Memory Qualification Plan
Archives
202
Aspect
216
Nightly feed
214
system testing
Division specific
212
QIN
all commodities common repository
210
CA
CPM commodities common repository
208
Mem T&Q
Memory commodity specific
206
TECH SURVEYS
all commodities common repository
204

FIG. 2

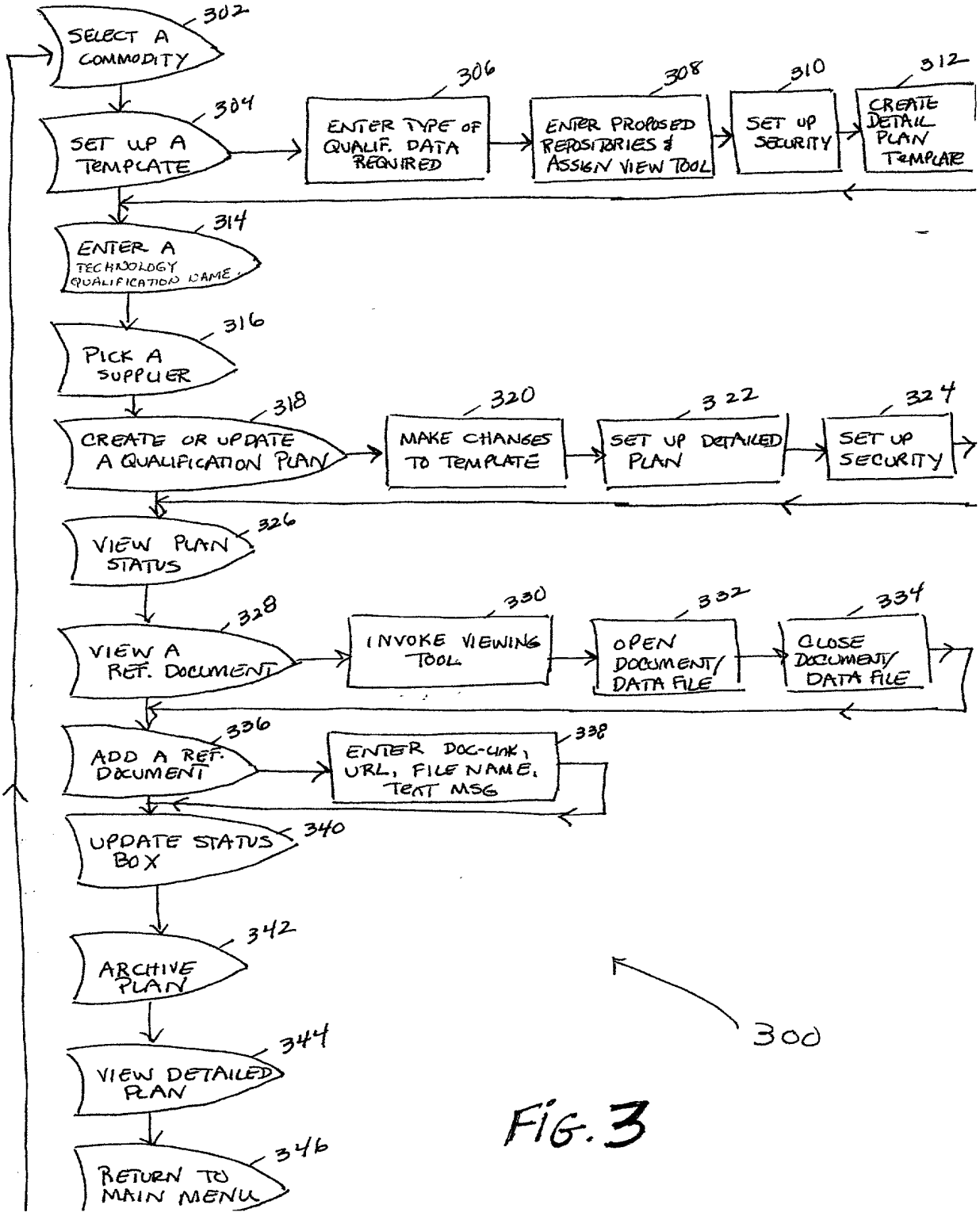
SELECT A COMMODITY
302
SET UP A TEMPLATE
304
ENTER TYPE OF QUALIF. DATA REQUIRED
306
ENTER PROPOSED REPOSITORIES & ASSIGN VIEW TOOL
308
SET UP SECURITY
310
CREATE DETAIL PLAN TEMPLATE
312
ENTER A TECHNOLOGY QUALIFICATION NAME
314
PICK A SUPPLIER
316
CREATE OR UPDATE A QUALIFICATION PLAN
318
MAKE CHANGES TO TEMPLATE
320
SET UP DETAILED PLAN
322
SET UP SECURITY
324
VIEW PLAN STATUS
326
VIEW A REF. DOCUMENT
328
INVOKE VIEWING TOOL
330
OPEN DOCUMENT/ DATA FILE
332
CLOSE DOCUMENT/ DATA FILE
334
ADD A REF. DOCUMENT
336
ENTER DOC-LINK, URL, FILE NAME, TEXT MSG
338
UPDATE STATUS BOX
340
ARCHIVE PLAN
342
VIEW DETAILED PLAN
344
RETURN TO MAIN MENU
346
300

FIG. 3

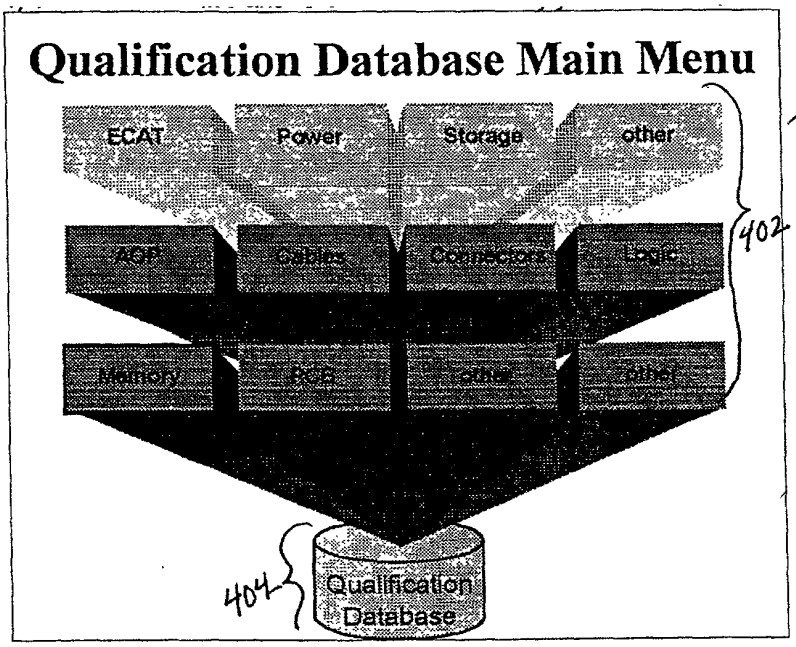
Qualification Database Main Menu
400
ECAT
Power
Storage
other
AGP
Cables
Connectors
Logic
402
Memory
PCB
other
other
404
Qualification Database

FIG. 4

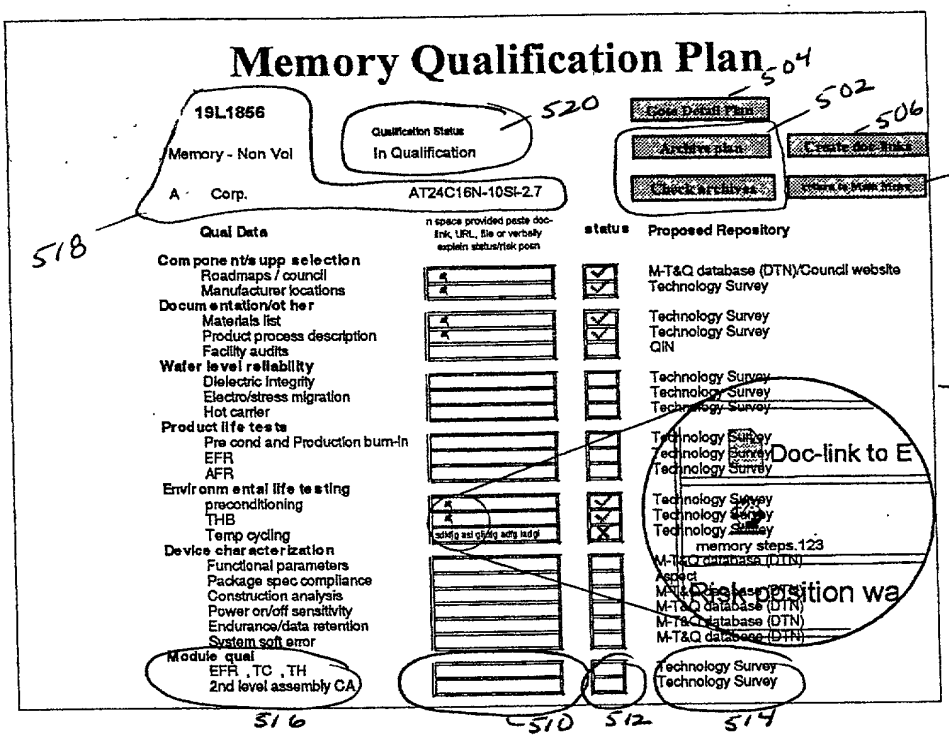
Memory Qualification Plan
19L1856
Memory - Non Vol
A Corp.
AT24C16N-10SI-2.7
Qualification Status
In Qualification
Archive plan
Check archives
Qual Data
status
Proposed Repository
Component/s upp selection
Roadmaps / council
Manufacturer locations
Documentation/other
Materials list
Product process description
Facility audits
Wafer level reliability
Dielectric integrity
Electro/stress migration
Hot carrier
Product life tests
Pre cond and Production burn-in
EFR
AFR
Environmental life testing
preconditioning
THB
Temp cycling
Device characterization
Functional parameters
Package spec compliance
Construction analysis
Power on/off sensitivity
Endurance/data retention
System soft error
Module qual
EFR , TC , TH
2nd level assembly CA
M-T&Q database (DTN)/Council website
Technology Survey
Technology Survey
Technology Survey
QIN
Technology Survey
Technology Survey
Technology Survey
Technology Survey
Technology Survey
Technology Survey
Doc-link to E
memory steps.123
M-T&Q database (DTN)
Risk position wa
M-T&Q database (DTN)
M-T&Q database (DTN)
M-T&Q database (DTN)
Technology Survey
Technology Survey
504
502
506
508
500
518
520
516
510
512
514

FIG 5